



Billing Code: 4910-60-P

DEPARTMENT OF TRANSPORTATION

Pipeline and Hazardous Materials Safety Administration

49 CFR Parts 107, 171, 172, 173, 175, 178, and 179

RIN 2137-AE90

[Docket No. PHMSA-2012-0080 (HM-244E)]

Hazardous Materials: Minor Editorial Corrections and Clarifications (RRR)

AGENCY: Pipeline and Hazardous Materials Safety Administration (PHMSA), DOT.

ACTION: Final rule.

SUMMARY: This final rule corrects editorial errors, makes minor regulatory changes and, in response to requests for clarification, improves the clarity of certain provisions in the Hazardous Materials Regulations. The intended effect of this rule is to enhance the accuracy and reduce misunderstandings of the regulations. The amendments contained in this rule are non-substantive changes and do not impose new requirements.

DATES: Effective: [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]

Incorporation by reference date: The incorporation by reference of certain publications listed in this rule was approved by the Director of the Federal Register as of September 11, 2006.

FOR FURTHER INFORMATION CONTACT: Joan McIntyre, Standards and Rulemaking Division, 202-366-8553, PHMSA, East Building, PHH-10, 1200 New Jersey Avenue, SE, Washington, DC 20590.

SUPPLEMENTARY INFORMATION:

I. Background

- II. Section-by-Section Review
- III. Regulatory Analyses and Notices
 - A. Statutory/Legal Authority for the Rulemaking
 - B. Executive Orders 12866 and 13563 and DOT Regulatory Policies and Procedures
 - C. Executive Order 13132
 - D. Executive Order 13175
 - E. Regulatory Flexibility Act, Executive Order 13272 and DOT Policies and Procedures
 - F. Executive Order 13563
 - G. Unfunded Mandates Reform Act
 - H. Paperwork Reduction Act
 - I. Environmental Impact Analysis
 - J. Regulation Identifier Number (RIN)
 - K. Privacy Act

I. Background

The Pipeline and Hazardous Materials Safety Administration (PHMSA) annually reviews the Hazardous Materials Regulations (HMR; 49 CFR Parts 171–180) to identify typographical errors, outdated addresses or other contact information, and similar errors. In this final rule, we are correcting typographical errors, incorrect Code of Federal Register (CFR) references and citations, inconsistent use of terminology, misstatements of certain regulatory requirements, and inadvertent omissions of information. Because these amendments do not impose new requirements, notice and public comment are unnecessary. By making these amendments

effective without the customary 30-day delay following publication, the changes will appear in the next published revision of the 49 CFR.

II. Section-by-Section Review

The following is a section-by-section summary of the minor editorial corrections and clarifications made in this final rule.

Part 107

Section 107.202

This section describes the standards in 49 U.S.C. 5125 for determining preemption of a State, local, or Indian tribe requirement applicable to the transportation of hazardous material. Paragraph 5125(b)(1)(D) was recently amended in the “Moving Ahead for Progress in the 21st Century” ([MAP-21](#)) Act (Pub. L. 112-141 § 33006(d), 126 Stat. 835, July 6, 2012) which added the words “other written hazardous materials transportation incident reporting involving State or local emergency responders in the initial response to the incident.” Because this additional language simply sets forth the wording of the Federal hazardous material transportation law, it is considered an editorial change.

Part 171

Section 171.7

Section 171.7, paragraph (a), lists materials incorporated by reference into the HMR. In paragraph (a)(3), the tensile strength of “1100” MPa for the entries “ISO 9809 -1,” and “ISO 9809-2,” has an unnecessary space and reads “1 100.” We are removing this additional space in this final rule.

Section 171.8

Section 171.8 provides definitions and abbreviations used throughout the HMR. We are making two revisions to this section.

The spelling of the entry for “Containership” is amended by revising the word to read “Container ship.” Although both spellings are correct, we are revising the spelling for consistency throughout the HMR, which should aid in HMR searches. This is an editorial change that does not impact any statements, shipping papers, et cetera.

The last sentence of the definition for “Hazardous material” reads in part, “and materials that meet the defining criteria for hazard classes and divisions in part 173 of subchapter C of this chapter.” For clarification and consistency with other sections in the HMR, we are revising the sentence to read “and materials that meet the defining criteria for hazard classes and divisions in part 173 of this subchapter.”

Part 172

Section 172.101

This section contains the Hazardous Materials Table (HMT) and explanatory text for each of the columns in the HMT. A final rule published on January 19, 2011 [76 FR 3308] under Docket PHMSA 2009-0126 (HM-215K) entitled “Hazardous Materials: Harmonization with the United Nations Recommendations, International Maritime Dangerous Goods Code, and the International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air,” revised the § 172.101(c)(10)(i) instruction for the proper shipping name description of a mixture or a solution of a single predominant hazardous material under certain conditions. Currently, § 172.101(c)(10)(ii) states that if one or more of the conditions

in § 172.101(c)(10)(i) is satisfied, a proper shipping name shall be selected as prescribed in § 172.101(c)(12)(ii). For clarification, in this final rule, we are correcting the citation so that the sentence reads “that if one or more of the conditions in § 172.101(c)(10)(i)(A) through(F) is satisfied, the proper shipping name selection process in § 172.101(c)(12)(ii) must be used.”

§ 172.101 The Hazardous Materials Table

In the HMT, Special Provision B37 is erroneously applied to Column (7) for the Packing Group I entry of “Cyanide solutions, n.o.s.,” UN1935. Special Provision B37 once applied to “Nitric oxide, compressed,” but does not address or apply to cyanide solutions. Therefore, in this final rule, Special Provision B37 is being removed from Column (7) of the HMT for “Cyanide solutions, n.o.s.,” UN1935. (Also, see § 172.102.)

In a final rule published on March 5, 1999 [64 FR 10742] under Docket Number RSPA-98-4185 (HM-215C) entitled “Harmonization with the United Nations Recommendations, International Maritime Dangerous Goods Code, and International Civil Aviation Organization’s Technical Instructions,” a plus (+) sign was added to Column (1) of the HMT for the entry “Aminophenols (*o*-; *m*-; *p*-),” UN2512. During the printing process, the isomers were inadvertently changed from Italic font to Roman font. In this final rule, we are correcting the font to Italic. Words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name.

Section 172.102

This section prescribes the special provisions assigned to § 172.101 HMT entries. Special provisions with a “B” code apply to bulk packagings. Special provisions with an “N”

code apply to non-bulk packagings. Aside from the entry “Cyanide solutions, n.o.s,” UN1935, the Special Provisions B37, B50, B60, and N72 are not assigned to any entries in the HMT and are being removed from § 172.102 in this final rule. In addition, Special Provision B37 is being removed from the entry, “Cyanide solutions, n.o.s,” UN1935 (see preamble discussion under “§ 172.101, The Hazardous Materials Table”). For background information on the “B” and “N” codes being removed, the following is provided:

- Special Provision B37 required that the amount of nitric oxide charged into any tank car tank not exceed 1,379 kPa (200 psig) at 21 °C (70 °F).
- Special Provision B50 required that, when transported in a multi-unit tank car tank, each valve outlet of a multi-unit tank car tank was to be sealed by a threaded solid plug or a threaded cap with inert luting or gasket material. Valves were to be stainless steel and the caps, plugs, and valve seats were to be of a material that would not deteriorate as a result of contact with the lading.
- Special Provision B60 authorized certain entries in the HMT to be transported in DOT Specification 106A500X multi-unit tank car tanks that were not equipped with a pressure relief device of any type. For the transportation of phosgene, the outage was required to be sufficient to prevent tanks from becoming liquid full at 55 °C (130 °F).
- Special Provision N72 required that packagings used to transport the material for certain entries in the HMT were to be examined by the Bureau of Explosives and approved by the Associate Administrator.

Section 172.204

This section prescribes requirements for the shipper's certification. In paragraph (a)(2), the spelling of the word "labelled" is revised to read "labeled." Although both spellings are correct, we are revising this spelling for consistency throughout the HMR. It should be noted that this is merely an editorial change and does not invalidate certification statements that have the "labelled" spelling.

Section 172.514

This section prescribes the placarding requirements for a bulk packaging containing a hazardous material as specified for the material in §§ 172.504 and 172.505. In paragraph (c)(4), as amended under a final rule published on July 20, 2011 [76 FR 43510] under Docket PHMSA-2009-0151 (HM-218F) entitled "Hazardous Materials: Miscellaneous Amendments," we are correcting two errors that occurred during the printing process of this section. In this final rule, we are adding the wording "white square-on-point" for consistency with the identification number marking requirements under § 172.332, and making an editorial and punctuation correction at the end of the sentence to return the paragraph (c) exceptions to an "and" clause. Prior to the July 20, 2011 rulemaking, if any of the five conditions specified in paragraph (c) were satisfied, the labeling alternative to placarding was authorized. Changes under HM-218F made this less clear.

Part 173

Section 173.12

This section prescribes the exceptions for the shipment of waste materials. In paragraphs (b)(2)(ii)(B) and (b)(2)(ii)(C), the unit conversions of 3 mils and 6 mils to inches is corrected in this final rule from “0.12 inches” and “0.24 inches” to read “0.003 inches” and “0.006 inches,” respectively.

Section 173.35

This section prescribes the requirements for hazardous materials in intermediate bulk containers (IBCs). Paragraph (h)(2) was revised in a final rule published on February 2, 2010 [75 FR 5376] under Docket PHMSA–06–25736 (HM-231) entitled “Hazardous Materials; Miscellaneous Packaging Amendments.” The revision in that rule corrected an error in the pressure limitation for metal IBC’s. During the printing process, paragraph (h) introductory text was inadvertently omitted and its intended subparagraphs were mistakenly added to paragraph (g). We are correcting these errors in this rulemaking. The subparagraphs mistakenly added to paragraph (g) are reinserted into paragraph (h) and paragraph (g) will again stand alone as intended and submitted to the Federal Register.

Section 173.134

This section prescribes the definitions and exceptions for Class 6, Division 6.2 hazardous materials. In § 173.134, the last paragraph addressing transitional provisions was inadvertently alphanumerically numbered with a “(c),” which mistakenly duplicates another alphanumerical number in this section. This oversight is corrected in this final rule by renumbering the

paragraph as “(e).” We will remove this paragraph in a future rulemaking. However, until that time, it will remain in the HMR as an informational paragraph to state that the authorization for the continued use of the criteria for packing group assignments in effect on December 31, 2006 ended on January 1, 2012.

Section 173.159a

This section prescribes the exceptions for non-spillable batteries. In this final rule, we are clarifying the introductory text for § 173.159a(c) that the exception from the packaging requirements in § 173.159 does not include an exception from the vibration and pressure differential tests in § 173.159(f) for determination of a wet battery as non-spillable. Specifically, we are revising the wording to read “non-spillable batteries, as determined in accordance with § 173.159(f) of this subpart, are excepted from the packaging requirements of § 173.159 under the following conditions:”

Section 173.319

This section prescribes the requirements for cryogenic liquids in tank cars. We are revising paragraph (a)(3) to update the e-mail address and telephone number for the shipper to contact the Federal Railroad Administration whenever a tank car containing any flammable cryogenic liquid is not received by the consignee within 20 days from the date of shipment.

Section 174.435

This section contains the table of A_1 and A_2 values for radionuclides. The entry for “Sm-147” contains a printing error. In the seventh column for specific activity in TBq/g, the value is missing a “0” in the exponent. We are correcting “ 8.5×10^{-1} ” to read “ 8.5×10^{-10} .”

Part 175

Section 175.702

This section specifies the separation distance requirements for packages containing Class 7 (radioactive) materials in cargo aircraft. In the first column of the § 175.702(a)(2)(ii) table heading, a typographical error is corrected by revising “of predesignated area” to read “or predesignated area.”

Part 178

Section 178.46

This section prescribes requirements for Specification 3AL seamless aluminum cylinders. Paragraph (k) addresses the duties of the inspector. In § 178.46(k)(2), the reference to performance or verification of ultrasonic inspection requirements is corrected from paragraph “(c)” to read “(b)(5).”

Section 178.70

This section specifies procedures for the approval of United Nations (UN) pressure receptacles. In paragraph (e)(5), we are revising the incorrect reference to “§ 178.72” to correctly read “§ 178.71.”

Section 178.71

This section prescribes specifications for United Nations (UN) pressure receptacles. In paragraphs (g)(1), (g)(2) and (k)(1)(i), the reference to the tensile strength of “1100” has an unnecessary space and incorrectly reads “1 100.” In this final rule, we are removing this additional space.

Section 178.75

This section prescribes specifications for Multiple Element Gas Containers (MEGCs). In paragraphs (d)(3)(i) and (d)(3)(ii), the reference to the tensile strength of “1100” has an unnecessary space and incorrectly reads “1 100.” In this final rule, we are removing this additional space.

Section 178.503

This section prescribes requirements for the marking of non-bulk performance-oriented packagings. Paragraph (e)(1) was revised under a final rule published on February 2, 2010 [75 FR 5376] under Docket PHMSA–06–25736 (HM-231) and again under a final rule published on September 30, 2010 [75 FR 60333] under Docket PHMSA–06–25736 (HM-231) both entitled “Hazardous Materials: Miscellaneous Packaging Amendments.” The revisions in these rules provided detailed requirements for the marking of the United Nations symbol on performance-oriented packaging. During the printing process, paragraph (d) was mistakenly printed with the subparagraphs intended for paragraph (e), and the introductory text for paragraph (e) was omitted altogether. The result was that this section skipped from paragraph (d) directly to paragraph (f). Under this final rule, we are revising the paragraphs with the correct numbering as intended and

submitted to the Federal Register. Specifically, paragraph (d) is a stand-alone paragraph without the subparagraphs intended for paragraph (e). The paragraph (e) introductory text is reinserted, and the subparagraphs mistakenly printed under paragraph (d) are relocated to their correct position as subparagraphs to paragraph (e).

Section 178.601

This section prescribes the general requirements for the testing of non-bulk packagings and packages. The term “different packaging” is defined in paragraph (c)(4). Paragraph (c)(4)(v) of the definition excludes packagings which differ only in a lesser design height from the category of a “different packaging.” For purposes of clarification, we are revising the paragraph to link the exclusion to the authorized packaging variations that allow a packaging to be manufactured at a lesser design height by adding a reference to the variations in paragraph (g)(3) for single packaging, and to (g)(4) for combination packaging.

Part 179

Appendix B to Part 179

Appendix B to Part 179 prescribes procedures for simulated pool and torch-fire testing. Paragraphs 2.a.(1) and 3.a.(1) are revised by correcting an erroneous mathematical calculation. This correction should improve compliance by clarifying the conversion factors.

III. Regulatory Analyses and Notices

A. Statutory Authority

This final rule is published under authority of 49 U.S.C. 5103(b), which authorizes the Secretary of Transportation to prescribe regulations for the safe transportation, including security, of hazardous material in intrastate, interstate, and foreign commerce. The purpose of this final rule is to remove unnecessary cross references to the HMT, correct grammatical and typographical errors, and, in response to requests for clarification, improve the clarity of certain provisions in the HMT.

B. Executive Orders 12866 and 13563 and DOT Regulatory Policies and Procedures

This final rule is not considered a significant regulatory action under section 3(f) of Executive Order 12866 and, therefore, was not reviewed by the Office of Management and Budget. This rule is not significant under the Regulatory Policies and Procedures of the Department of Transportation (44 FR 11034). Additionally, E.O. 13563 supplements and reaffirms E.O. 12866, stressing that, to the extent permitted by law, an agency rulemaking action must be based on benefits that justify its costs, impose the least burden, consider cumulative burdens, maximize benefits, use performance objectives, and assess available alternatives. This final rule does not impose new or revised requirements for hazardous materials shippers or carriers; therefore, it is not necessary to prepare a regulatory impact analysis.

C. Executive Order 13132

This final rule has been analyzed in accordance with the principles and criteria in Executive Order 13132 (“Federalism”). This final rule does not adopt any regulation that: (1) has substantial direct effects on the states, the relationship between the national government and

the states, or the distribution of power and responsibilities among the various levels of government; or (2) imposes substantial direct compliance costs on state and local governments. PHMSA is not aware of any state, local, or Indian tribe requirements that would be preempted by correcting editorial errors and making minor regulatory changes. This final rule does not have sufficient federalism impacts to warrant the preparation of a federalism assessment.

D. Executive Order 13175

This final rule has been analyzed in accordance with the principles and criteria contained in Executive Order 13175 (“Consultation and Coordination with Indian Tribal Governments”). Because this final rule does not have tribal implications, does not impose substantial direct compliance costs on Indian tribal governments, and does not preempt tribal law, the funding and consultation requirements of Executive Order 13175 do not apply, and a tribal summary impact statement is not required.

E. Regulatory Flexibility Act, Executive Order 13272, and DOT Procedures and Policies

This final rule will not have a significant economic impact on a substantial number of small entities. This rule makes minor editorial changes which will not impose any new requirements on persons subject to the HMR; thus, there are no direct or indirect adverse economic impacts for small units of government, businesses, or other organizations.

F. Executive Order 13563 Improving Regulation and Regulatory Review

Executive Order 13563 is supplemental to and reaffirms the principles, structures, and definitions governing regulatory review that were established in Executive Order 12866 Regulatory Planning and Review of September 30, 1993. In addition, Executive Order 13563 specifically requires agencies to: (1) involve the public in the regulatory process; (2) promote simplification and harmonization through interagency coordination; (3) identify and consider

regulatory approaches that reduce burden and maintain flexibility; (4) ensure the objectivity of any scientific or technological information used to support regulatory action; consider how to best promote retrospective analysis to modify, streamline, expand, or repeal existing rules that are outmoded, ineffective, insufficient, or excessively burdensome.

A complete review of the existing HMR led to the identification of various minor errors in the HMR. The errors identified have no effect on the intent or meaning of the regulations. The correction of these errors will clarify current text while maintaining the intent of the regulations affected. This final rule is designed to address those errors by making non-substantive changes to the HMR such as editorial changes, spelling corrections, removal of transitional requirements that are no longer applicable and formatting modifications. This final rule corrects these errors but does not require the application of Executive Order 13563. The final rule does however clarify the regulatory text thus improving the regulations.

G. Unfunded Mandates Reform Act of 1995

This rule does not impose unfunded mandates under the Unfunded Mandates Reform Act of 1995. It does not result in costs of \$141.3 million or more to either state, local, or tribal governments, in the aggregate, or to the private sector, and is the least burdensome alternative that achieves the objectives of the rule.

H. Paperwork Reduction Act

There are no new information collection requirements in this final rule.

I. Environmental Impact Analysis

The National Environmental Policy Act of 1969 (NEPA), as amended (42 U.S.C. 4321–4347), and implementing regulations by the Council on Environmental Quality (40 CFR part

1500) require Federal agencies to consider the consequences of Federal actions and prepare a detailed statement on actions that significantly affect the quality of the human environment.

The purpose of this rulemaking is to correct editorial errors, makes minor regulatory changes and, in response to requests for clarification, improves the clarity of certain provisions in the HMR. The intended effect of this rule is to enhance the accuracy and reduce misunderstandings of the regulations. The amendments contained in this rule are non-substantive changes and do not impose new requirements. Therefore, PHMSA has determined that the implementation of this final rule will not have any significant impact on the quality of the human environment.

J. Regulation Identifier Number (RIN)

A regulation identifier number (RIN) is assigned to each regulatory action listed in the Unified Agenda of Federal Regulations. The Regulatory Information Service Center publishes the Unified Agenda in April and October of each year. The RIN number contained in the heading of this document can be used to cross-reference this action with the Unified Agenda.

K. Privacy Act

Anyone is able to search the electronic form of all comments received into any of our dockets by the name of the individual submitting the comment (or signing the comment, if submitted on behalf of an association, business, labor union, etc.). You may review DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (Volume 65, Number 70, pages 19477-78), or at <http://www.regulations.gov>.

List of Subjects

49 CFR Part 107

Administrative practice and procedure, Hazardous materials transportation, Penalties, Reporting and recordkeeping requirements.

49 CFR Part 171

Exports, Hazardous materials transportation, Hazardous waste, Imports, Incorporation by Reference, Reporting and recordkeeping requirements.

49 CFR Part 172

Education, Hazardous materials transportation, Hazardous waste, Labeling, Packaging and containers, Reporting and recordkeeping requirements.

49 CFR Part 173

Hazardous materials transportation, Packaging and containers, Radioactive materials, Reporting and recordkeeping requirements, Uranium.

49 CFR Part 175

Hazardous materials transportation, Radioactive materials, Reporting and recordkeeping requirements.

49 CFR Part 178

Hazardous materials transportation, Incorporation by reference, Motor vehicle safety, Packaging and containers, Reporting and recordkeeping requirements.

49 CFR Part 179

Hazardous materials transportation, Railroad safety, Reporting and recordkeeping requirements.

In consideration of the foregoing, 49 CFR Chapter I is amended as follows:

PART 107 – HAZARDOUS MATERIALS PROGRAM PROCEDURES

1. The authority citation for part 107 is revised to read as follows:

Authority: 49 U.S.C. 5101-5128, 44701; Pub. L. 101-410 section 4 (28 U.S.C. 2461 note), Pub. L. 104-121 sections 212-213; Pub. L. 104-134 section 31001; Pub. L. 112-141 section 33006; 49 CFR 1.45 and 1.53.

2. In § 107.202, paragraph (a)(4) is revised to read as follows:

§ 107.202 Standards for determining preemption.

(a) * * *

(4) The written notification, recording, and reporting of the unintentional release in transportation of hazardous material and other written hazardous materials transportation incident reporting involving State or local emergency responders in the initial response to the incident.

* * * * *

PART 171—GENERAL INFORMATION, REGULATIONS, AND DEFINITIONS

3. The authority citation for part 171 continues to read as follows:

Authority: 49 U.S.C. 5101-5128, 44701; 49 CFR 1.45 and 1.53; Pub. L. 101-410 section 4 (28 U.S.C. 2461 note); Pub. L. 104-134 section 31001.

4. In § 171.7, in the paragraph (a)(3) Table of material incorporated by reference, in the first column, for the entries “ISO 9809 -1” and “ISO 9809-2,” the source and name of material is revised to read as follows:

§ 171.7 Reference material.

(a) * * *

(3) * * *

Source and name of material	49 CFR reference
* * * * *	*
<p>ISO 9809-1: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 1: Quenched and tempered steel cylinders with tensile strength less than 1100 MPa., First edition, June 1999, (E)</p> <p>ISO 9809-2: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1100 MPa., First edition, June 2000, (E)</p>	
* * * * *	*

* * * * *

5. Section 171.8 is revised as follows:

- a. The term “Containership” is removed and “Container ship” is added in its place; and
- b. The definition of “Hazardous material” is revised.

The revisions read as follows:

§ 171.8 Definitions and abbreviations.

* * * *

Container ship * *

* * *

Hazardous material means a substance or material that the Secretary of Transportation has determined is capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and has designated as hazardous under section 5103 of Federal hazardous materials transportation law (49 U.S.C. 5103). The term includes hazardous substances, hazardous wastes, marine pollutants, elevated temperature materials, materials designated as hazardous in the Hazardous Materials Table (see 49 CFR 172.101), and materials that meet the defining criteria for hazard classes and divisions in part 173 of this subchapter.

* * * *

**PART 172 – HAZARDOUS MATERIALS TABLE, SPECIAL PROVISIONS,
HAZARDOUS MATERIALS COMMUNICATIONS, EMERGENCY RESPONSE
INFORMATION, TRAINING REQUIREMENTS, AND SECURITY PLANS**

6. The authority citation for part 172 continues to read as follows:

Authority: 49 U.S.C. 5101-5128; 44701, 49 CFR 1.53.

7. In § 172.101, paragraph (c)(10)(ii) is revised to read as follows:

§ 172.101 Purpose and use of hazardous materials table.

* * * *

(c) * *

(10) * *

(ii) If one or more of the conditions in paragraphs (c)(10)(i)(A) through (F) of this section is satisfied then the proper shipping name selection process in (c)(12)(ii) must be used.

* * * *

8. In § 172.101, in the Hazardous Materials Table, the following entries are revised to read as follows:

§ 172.101 Purpose and use of hazardous materials table.

* * * *

§172.101 Hazardous Materials Table

Symbols (1)	Hazardous materials descriptions and proper shipping names (2)	Hazard class or division (3)	Identification Numbers (4)	PG (5)	Label Codes (6)	Special provisions (§ 172.102) (7)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Exceptions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo aircraft only (9B)	Location (10A)	Other (10B)
+ G	I * Aminophenols (o-; m-; p-) * Cyanide solutions, n.o.s.	6.1	UN1935	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
		.....	.....	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
		.....	.....	III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52

		*			*			*			*			*			*
--	--	---	--	--	---	--	--	---	--	--	---	--	--	---	--	--	---

* * * *

§ 172.102 [Amended]

9. Amend § 172.102 as follows:

- a. In paragraph (c)(3), Special Provisions B37, B50 and B60 are removed.
- b. In paragraph (c)(5), Special Provision N72 is removed.

§ 172.204 [Amended]

10. In § 172.204, in paragraph (a)(2), the wording “labelled/placarded” is revised to read “labeled/placarded”.

11. In § 172.514, paragraph (c)(4) is revised to read as follows:

§ 172.514 Bulk packagings.

* * * *

(c) * * *

(4) An IBC. For an IBC labeled in accordance with subpart E of this part instead of placarded, the IBC may display the proper shipping name and UN identification number in accordance with the size requirements of § 172.302(b)(2) in place of the UN number on an orange panel, placard or white square-on-point; and

* * * *

**PART 173--SHIPPERS--GENERAL REQUIREMENTS FOR SHIPMENTS
AND PACKAGINGS**

12. The authority citation for part 173 continues to read as follows:

Authority: 49 U.S.C. 5101-5128, 44701; 49 CFR 1.45, 1.53.

13. In § 173.12, paragraphs (b)(2)(ii)(B) and (C) are revised to read as follows:

§ 173.12 Exceptions for shipment of waste materials.

* * * * *

(b) * * *

(2) * * *

(ii) * * *

(B) At a minimum, a double-walled UN 4G fiberboard box made out of 500 pound burst-strength fiberboard fitted with a polyethylene liner at least 3 mils (0.003 inches) thick and when filled during testing to 95 percent capacity with a solid material, successfully passes the tests prescribed in §§ 178.603 (drop) and 178.606 (stacking), and is capable of passing the tests prescribed in § 178.608 (vibration) to at least the Packing Group II performance level for liquids or solids; or

(C) A UN 11G fiberboard intermediate bulk container (IBC) or a UN 11HH2 composite IBC, fitted with a polyethylene liner at least 6 mils (0.006 inches) thick, that successfully passes the tests prescribed in Subpart O of Part 178 and § 178.603 to at least the Packing Group II performance level for liquids or solids; a UN 11HH2 is composed of multiple layers of encapsulated corrugated fiberboard between inner and outer layers of woven coated polypropylene.

* * * * *

14. In § 173.35, paragraphs (g) and (h) are revised to read as follows:

§ 173.35 Hazardous materials in IBCs.

* * * * *

(g) Each IBC used for transportation of solids which may become liquid at temperatures likely to be encountered during transportation must also be capable of containing the substance in the liquid state.

(h) Liquid hazardous materials may only be offered for transportation in a metal, rigid plastic, or composite IBC that is appropriately resistant to an increase in internal pressure likely to develop during transportation.

(1) A rigid plastic or composite IBC may only be filled with a liquid having a vapor pressure less than or equal to the greater of the following two values: the first value is determined from any of the methods in paragraphs (h)(1)(i), (ii) or (iii) of this section. The second value is determined by the method in paragraph (h)(1)(iv) of this section.

(i) The gauge pressure (pressure in the IBC above ambient atmospheric pressure) measured in the IBC at 55 °C (131 °F). This gauge pressure must not exceed two-thirds of the marked test pressure and must be determined after the IBC was filled and closed at 15 °C (60 °F) to less than or equal to 98 percent of its capacity.

(ii) The absolute pressure (vapor pressure of the hazardous material plus atmospheric pressure) in the IBC at 50 °C (122 °F). This absolute pressure must not exceed four-sevenths of the sum of the marked test pressure and 100 kPa (14.5 psia).

(iii) The absolute pressure (vapor pressure of the hazardous material plus atmospheric pressure) in the IBC at 55 °C (131 °F). This absolute pressure must not exceed two-thirds of the sum of the marked test pressure and 100 kPa (14.5 psia).

(iv) Twice the static pressure of the substance, measured at the bottom of the IBC. This value must not be less than twice the static pressure of water.

(2) Liquids having a vapor pressure greater than 110 kPa (16 psig) at 50 °C (122 °F) or 130 kPa (18.9 psig) at 55 °C (131 °F) may not be transported in metal IBCs.

* * * * *

15. In § 173.134, in the last paragraph, the second alphanumerical number (c) for transitional provisions, is renumbered to (e) and revised to read as follows:

§ 173.134 Class 6, Division 6.2—Definitions and exceptions.

* * * * *

(e) Transitional provisions. The authorization for continued use of the criteria for packing group assignments in effect on December 31, 2006 ended on January 1, 2012.

16. In § 173.159a, paragraph (c) introductory text is revised to read as follows:

§ 173.159a Exceptions for non-spillable batteries.

* * * * *

(c) Non-spillable batteries, as determined in accordance with § 173.159(f) of this subpart, are excepted from the packaging requirements of § 173.159 under the following conditions:

* * * * *

17. In § 173.319, paragraph (a)(3) is revised to read as follows:

§ 173.319 Cryogenic liquids in tank cars.

(a) * * *

(3) The shipper must notify the Federal Railroad Administration whenever a tank car containing any flammable cryogenic liquid is not received by the consignee within 20 days from the date of shipment. Notification to the Federal Railroad Administration may be made by e-mail to HMassist@dot.gov or telephone call to (202) 493-6245.

* * * * *

18. In § 173.435, in the Table of A_1 and A_2 values for radionuclides, the entry “Sm-147” is revised to read as follows:

§ 173.435 Table of A_1 and A_2 values for radionuclides.

* * * * *

Symbol of radionuclide	Element and atomic number	A_1 (TBq)	A_1 (Ci) ^b	A_2 (TBq)	A_2 (Ci) ^b	Specific activity	
						(TBq/g)	(Ci/g)
*	*	*	*	*	*	*	
Sm-147	Unlimited	Unlimited	Unlimited	Unlimited	8.5×10^{-10}	2.3×10^{-8}
*	*	*	*	*	*	*	

* * * * *

PART 175 – CARRIAGE BY AIRCRAFT

19. The authority citation for part 175 continues to read as follows:

Authority: 49 U.S.C. 4101-51128; 44701; 49 CFR 1.45 and 1.53.

20. In § 175.702, in paragraph (a)(2)(ii), the table heading is revised to read as follows:

§ 175.702 Separation distance requirements for packages containing Class 7 (radioactive)

materials in cargo aircraft.

* * * * *

(a) * * *

(2) * * *

(ii) * * *

Transport index or sum of transport indexes of all packages in the aircraft or predesignated area	Minimum separation distances	
	Centimeters	Inches
*****	*	*

PART 178 – SPECIFICATIONS FOR PACKAGINGS

21. The authority citation for part 178 continues to read as follows:

Authority: 49 U.S.C.5101-5128; 49 CFR 1.53

22. In § 178.46, paragraph (k)(2) is revised to read as follows:

§ 178.46 Specification 3AL seamless aluminum cylinders.

* * * * *

(k) * * *

(2) The inspector must verify ultrasonic inspection of all material by inspection or by obtaining the material producer's certificate of ultrasonic inspection. Ultrasonic inspection must

be performed or verified as having been performed in accordance with paragraph (b)(5) of this section.

* * * * *

§ 178.70 [Amended]

23. In § 178.70, in paragraph (e)(5), the reference “§ 178.72” is removed and the reference “§ 178.71” is added in its place.

24. In § 178.71, paragraphs (g)(1), (g)(2) and (k)(1)(i) are revised to read as follows:

§ 178.71 Specifications for UN pressure receptacles.

* * * * *

(g) * * *

(1) ISO 9809–1: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 1: Quenched and tempered steel cylinders with tensile strength less than 1100 MPa. (IBR, see § 171.7 of this subchapter).

(2) ISO 9809–2: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1100 MPa. (IBR, see § 171.7 of this subchapter).

* * * * *

(k) * * *

(1) * * *

(i) ISO 9809–1: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 1: Quenched and tempered steel cylinders with tensile strength less than 1100 MPa.

* * * * *

25. In § 178.75, paragraphs (d)(3)(i) and (d)(3)(ii) are revised to read as follows:

§ 178.75 Specifications for MEGCs.

* * * * *

(d) * * *

(3) * * *

(i) ISO 9809–1: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 1: Quenched and tempered steel cylinders with tensile strength less than 1100 MPa. (IBR, see §171.7 of this subchapter);

(ii) ISO 9809–2: Gas cylinders—Refillable seamless steel gas cylinders—Design, construction and testing—Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1100 MPa. (IBR, see § 171.7 of this subchapter);

* * * * *

26. In § 178.503, paragraphs (d) introductory text and (e) are revised to read as follows:

§ 178.503 Marking of packagings.

* * * * *

(d) Marking of remanufactured packagings. For remanufactured metal drums, if there is no change to the packaging type and no replacement or removal of integral structural

components, the required markings need not be permanent (e.g., embossed). Every other remanufactured drum must bear the marks required in paragraphs (a)(1) through (a)(6) of this section in a permanent form (e.g., embossed) on the top head or side. If the metal thickness marking required in paragraph (a)(9)(i) of this section does not appear on the bottom of the drum, or if it is no longer valid, the remanufacturer also must mark this information in permanent form.

(e) The following are examples of symbols and required markings. (1)(i) The United Nations symbol is:



(ii) The circle that surrounds the letters “u” and “n” may have small breaks provided the following provisions are met:

- (A) The total gap space does not exceed 15 percent of the circumference of the circle;
 - (B) There are no more than four gaps in the circle;
 - C) The spacing between gaps is separated by no less than 20 percent of the circumference of the circle (72 degrees); and
 - D) The letters “u” and “n” appear exactly as depicted in § 178.503(e)(1)(i) with no gaps.
- (2) Examples of markings for a new packaging are as follows:
- (i) For a fiberboard box designed to contain an inner packaging:



4G/Y145/S/83

USA/RA

(as in § 178.503 (a)(1) through (9) of this subpart).

(ii) For a steel drum designed to contain liquids:



1A1/Y1.4/150/83

USA/VL824

1.0

(as in § 178.503 (a)(1) through (10) of this subpart).

(iii) For a steel drum to transport solids or inner packagings:

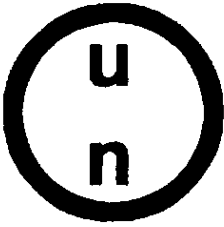


1A2/Y150/S/83

USA/VL825

(as in § 178.503 (a)(1) through (8) of this subpart).

(3) Examples of markings for reconditioned packagings are as follows:



**1A1/Y1.4/150/92
USA/RB/93 RL**

(as in § 178.503(c)(1)).

* * * * *

27. In § 178.601, paragraph (c)(4)(v) is revised to read as follows:

§ 178.601 General requirements.

* * * * *

(c) * * *

(4) * * *

(v) A packaging identified in paragraph (g)(3) or (g)(4) of this section, which differs from the design type only in a lesser design height; or*

* * * *

PART 179—SPECIFICATIONS FOR TANK CARS

28. The authority citation for part 179 is revised to read as follows:

Authority: 49 U.S.C. 5101–5128; 49 CFR 1.53.

29. In Appendix B to Part 179, paragraphs 2.a.(1) and 3.a.(1) are revised to read as follows:

Appendix B to Part 179—Procedures for Simulated Pool and Torch-Fire Testing.

* * * * *

2. Simulated pool fire test.

a. A pool-fire environment must be simulated in the following manner:

(1) The source of the simulated pool fire must be hydrocarbon fuel with a flame temperature of 871 °C plus or minus 55.6 °C (1600 °F plus-or-minus 100 °F) throughout the duration of the test.

* * * * *

3. Simulated torch fire test.

a. A torch-fire environment must be simulated in the following manner:

(1) The source of the simulated torch must be a hydrocarbon fuel with a flame temperature of 1,204 °C plus-or-minus 55.6 °C (2,200 °F plus or minus 100 °F), throughout the duration of the test. Furthermore, torch velocities must be 64.4 km/h ±16 km/h (40 mph ±10 mph) throughout the duration of the test.

* * * * *

Issued in Washington, DC, on September 27, 2012 under authority
delegated in 49 CFR part 1.

Timothy P. Butters
Deputy Administrator
Pipeline and Hazardous Materials Safety Administration

[FR Doc. 2012-24263 Filed 10/04/2012 at 8:45 am; Publication Date: 10/05/2012]